

TCCATGCTGCACTGTGTGGCCAACCCCATCCTCTACAACCTTCAGCCCCGAGCTTCCGGGCC
GAATGCTGAGCCTTGTGGTTCGTTACCTTCCAAAGGAGCAGGCCAGGGCAGCAGGTGGTCGTGC
CTCCTCTTCTTCTTCCACCCAGCACTCCATCATCATTACCAAAGAGGGCAGCCTGCCGCTGCA
GCGGATCTCCACACCCACCCATCCGAAACGTTCAGGCGTCCTCTCCGCCTCCAACACCTCAC
CTACACTCTGCAATTCCGTAGCCAGCTAAGGTAGACTCTAGCTTCCACCAATAAGAAAGTT
CAGAGGGGGATGCGAGAGGTCTGTGGGAGGGGGTGGGAAGGACTGGCTTGTTCAGGGCCAATTT
AAGTATATCAAAACGTTGCTGTGGGAGAGGGAAACGGTCGGAAGGACAGAGAATGGATCTT
TCCTTGATAGTACACTATTGTTGGGTACTGATGTCTAAGGGAGCCACACCGGTGGGCGTGG
GGGTGGGAAGCG (SEQ ID NO:1)

FIGURE 1

09900549-020601

underlined = deleted in targeting construct

[]= sequence flanking Neo insert in targeting construct

[TCCATGCTGCACTGTGTGGCCAACCCCATTCTCTAC] AACTTTCTCAGCCCCGAGCTTCC
GGGGCCGACTGCTGAGCCTTGTTGTTACCTTCCCAAGGAGCAGGCCAGGGCAGCAG
GTGGTCGTGCCTCCTCTTC [TTCTTCCACCCAGCAGTCCATCATCATTACCAAAGAGGGC
AGCCTGCCCGCTGCAGCGGATCTCCACACCCACCCATCCGAAACGTTCAAGGCGTCCCTCT
CCGCCTCCAAACACCTCACCTACACTCTGCAATTCCGTAGCCAGCTAAGGTAGACTCTAG
CTTCCTCCACCAATAAGAAAGTTCAAGAGGGGATGCGAGAGGTCTGTGGGAGGGGGTGGG
AAGGACTGGCTGTTCAAGGCCAATTAAAGTATATCAAACGTTGCTGTGGGAGAGGGGA
AACGGTTGGGAAGGACAGAGAATGGATTTCTTGATAGTACACTATTGTTGGGTA
CTGATGTCTAAGGGAGCCACACCGGTGGGCGTGGGGGTGGGAAGCG]

FIGURE 2A

Gene Sequence Structure

37 bp

Sequence Deleted

137 bp

Size of partial cDNA: 526 bp

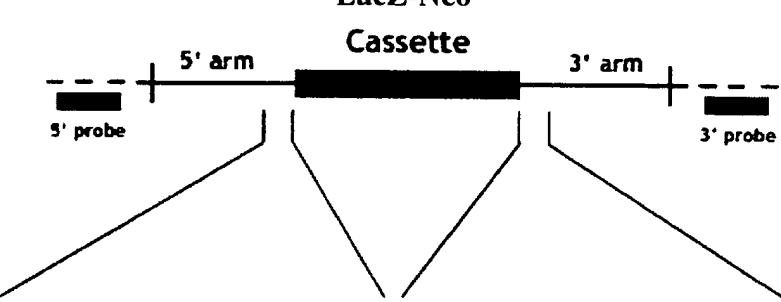
Targeting Vector* (genomic sequence)

Construct Number: 3267

Arm Length: .

5': 2.5 kb

3: 1.8 kb



Targeting Vector Endogenous Locus

Not drawn to scale

5' >GGCCGCCACTGCCTGTTGATGT
GGGCTTACATAGTTGTCTTGCCA
TCTGCTGGCTGCCCTACCAAGTGA
CTATGCTGCTGCTCACTCTGCACG
GGACCCACATCTCCTCCACTGTC
ACCTGGTTAACCTTCTCTACTTCT
TCTACGAAATCATCGACTGTTTT
CCATGCTGCACTGTGTGGCCAACC
CCATCCTCTAC<3'
(SEQ ID NO: 2)

5' > TTCTTCCACCCAGCACTCCAT
CATCATTACCAAAGAGGGCAGGCT
GCCCGCTGCAGCGGATCTCCACAC
CCACCCCCATCCGAAACGTTCAAGG
GTCCCTCTCCGCCTCCAAACACCTC
ACCTACACTCTGCAATTCTGTAGC
CAGCTAAGGTAGACTCTAGCTTCC
TCCACCAACAAGAAAGTTCAGAGG
GGGATGCGAGA < 3'
(SEQ ID NO: 3)

FIGURE 2B